



## **Flat Transparent Glass Sheet** **IS 2835:1987**

A **flat transparent glass sheet** is a thin, smooth, and clear piece of glass that is uniform in thickness. It is produced to be optically clear, allowing light to pass through without significant distortion. This type of glass is used in a variety of applications where transparency, smoothness, and clarity are essential.

The **IS 2835:1987**, prescribes the requirements and methods of sampling and test for flat transparent sheet glass for use in the manufacture of photographic plates, projection slides, silvered glass mirrors, toughened or laminated safety glasses and for glazing and framing purposes.

Consumers expect uniformity in thickness and size of glass sheet for which standards specify the tolerance on the declared dimension and standard method of measurement.

Consumers expect the surface of the glass should be free from defects like scratches, rubs, crush, corner breakage, chips, waviness, bow, reames, strings, lines, knots, stones etc. For Fulfilling these requirements, the Standard specifies limits of all allowable defects and method of its testing.

Flat Transparent Sheet Glass (Quality Control) Order, 2021 mandates that flat transparent sheet glass, sold, manufactured, or imported in India shall comply with IS 2835 and shall bear the Standard Mark under a license from the Bureau of Indian Standards.

In summary, this standard aims to ensure the flat transparent sheet glass is transparent, clear, with allowable defects and suitable for a wide range of applications, including glazing, mirrors, photographic plates, and safety glass.